ISO-14001
ISO-9001

SPECIFICATION SHEET

TOA DKK

IMMERSION TYPE SENSOR WITH WATER-JET AND BRUSH CLEANERS

Model: **BJHC-7C**

This sensor has a immersion type pH/ORP electrode holder combined with both water-jet and brush cleaning systems. The water-jet and swinging brush clean the sensor section of the electrode on a cyclic basis, thus preventing fouling build-up. Highly effective cleaning is achieved as the water jet displaces most liquid sample during cleaning. Simply detaching the electrode holder enables easy maintenance work such as calibration with standard solutions.

STANDARD SPECIFICATIONS

Product Name : Immersion type sensor with water-jet and brush cleaner
Model : BJHC-7C
Measurement Object : pH/ORP
Cleaning Method : Cyclic cleaning with swinging brush and water-jet.
Cleaning Cycle : 0.1~3h (adjustable, up to 12hrs as option)
Cleaning Duration : 0~1min. (adjustable)
Extended Time after Cleaning : 0~5min. (adjustable)
"Under Cleaning" Signal Duration : 0~6min. (cleaning time plus extended time after cleaning)
Input/output Signals
Under-cleaning output : Contact switching signal, contact rating: 125V AC, 1A max.
Cleaning start input : Cleaning starts when contacts are closed for 100mS or more, internal load rating: 30V DC, 0.1A or more
Cleaning stop input : Cleaning stops when contacts open, internal load rating: 125V AC, 5A or more
Ambient Temperature : -5~50°C
Sample Conditions
Temperature : -5~80°C (no freezing, temp range limited by holder type used)
Pressure : Atmospheric
Power Requirements : 100V AC, 50/60Hz
Power Consumption : 70 VA
Cleaning Water Requirements : Pressure; 0.2~0.5MPa, clean industrial water connection port; Rc1/4

Wetted Materials : 316S.S., Viton, polypropylene (for model HC-763)
Weight : 8.5kg (for length of 1m)
Construction : Rainproof type (IP55)
Paint Colour : Metallic silver and blue

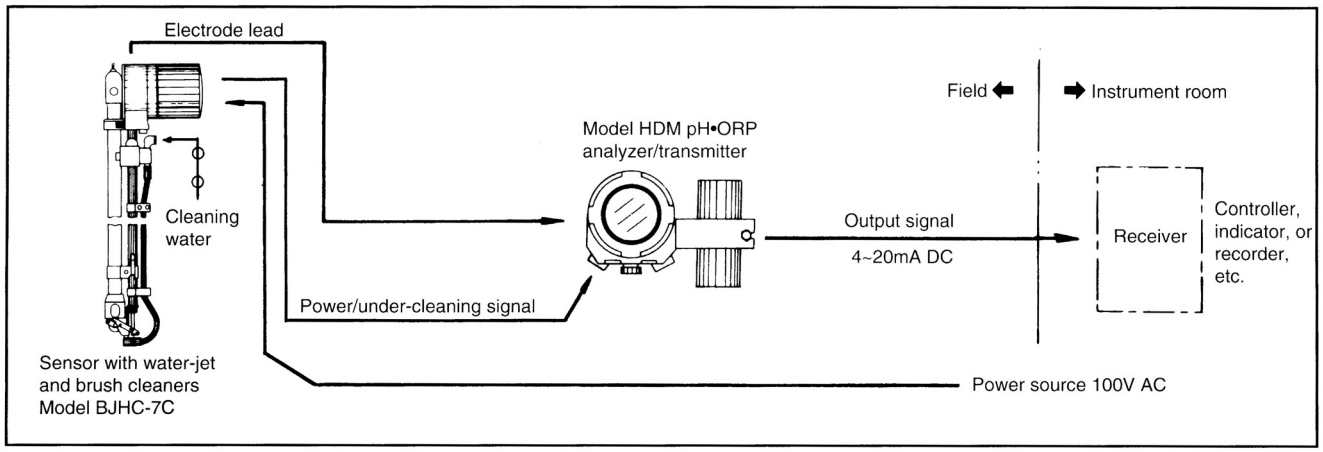
Sample temperature range for typical holder and electrode combinations

Holder	Holder material	Integrated pH electrode*		Integrated ORP electrode
		Model 5600	Model 5601	Model 2600
HC-703C	PVC	–5~60°C	——	–5~60°C
HC-763	Polypro-pylene	–5~70°C	–5~80°C	–5~70°C

* Includes 10KΩ temperature compensation resistor.

SYSTEM CONFIGURATION

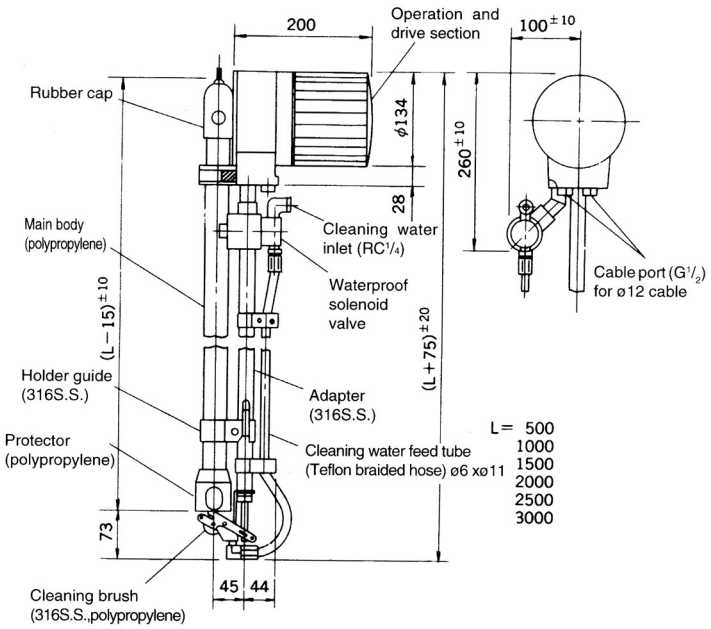
(Typical configuration with Model HDM transmitter)



DIMENSIONS

Unit : mm

(BJH4-549292-2A) General tolerance ±5



PRODUCT CODE

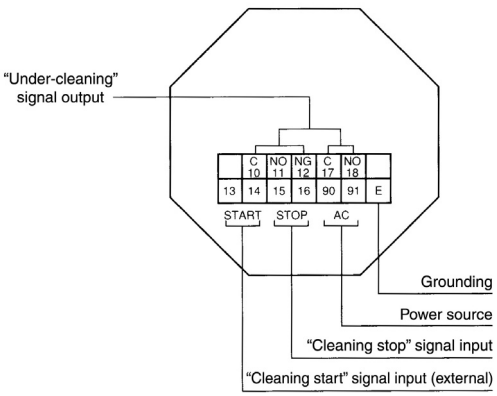
BJHC7C-0

- Power source *1
  - A: 100V AC 50/60Hz
- Materials of wetted parts in cleaner *2
  - 1: SUS316 (Standard)
  - 2: SUS316L
  - 3: Titanium
- Combined holder (no separate order required)
  - 0: No holder
  - 1: Polypropylene holder HC-763
  - 2: Clear PVC holder HC-703C
- Length of combined holder *3 (↑ The sensor length depends on this holder)
  - 1: 0.5m
  - 2: 1.0m
  - 3: 1.5m
  - 4: 2.0m
  - 5: 2.5m
  - 6: 3.0m
- Applicable electrode
  - 0: No electrode
  - A: pH, general use, normal temperature, Model 5600
  - B: pH, general use, high temperature, Model 5601
  - E: pH, general use, normal temperature, Model 6462 TC=350Ω
  - 1: ORP(Pt), general use, normal temperature, Model 6491*
  - 3: ORP(Pt), general use, normal temperature, Model 2600*(with temperature sensor)
  - 7: ORP(M), general use, normal temperature, Model 6497*
  - 8: Others to be specified
- Electrode lead length
  - 0: No electrode
  - K: 5m (max. holder length 2m)
  - M: 10m
  - Y: Others to be specified
- Cleaning cycle
  - 0: 3 hours (0.1~3 hours) (Standard)
  - 1: 12 hours (0.1~12 hours)
- Markings
  - 0: Japanese (Standard)
  - 1: English
- Official certificate
  - 0: None
  - 1: With the certification

Custom spec. code;
Numeric digit: 9
Alphabet: Z

*Official approval not applicable

TERMINAL CONNECTIONS



*1 For line voltage other than 100V AC, separately order a step-down transformer. (Model ZP; 35VA) (separately installed)

*2 Brush material is polypropylene (PP) for all specifications.
Round brush for space part: Code 56534100

*3 Holder length is 3m for PP and 4m for clear PVC holder.

Notes:

1. Max. sample temperature is 80˚C for PP holder (Model HC-763) and 60˚C for clear PVC holder (HC-703C).
2. For installation, select Bracket: Model ZC-1 or
   Flange: Model ZFK-2(S). (The aperture should be larger than 150A).
3. For a pressurized type holder, specify code 0 "Not required" for combined holder and applicable electrode, and separately order a holder.

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⚠ CAUTION Do not operate products before consulting instruction manual.